

WHAT IS CLAIMED IS:

- 1 1. A method of populating a knowledge base, the method comprising:
2 filtering a translated edit via at least one rule to determine a match between a
3 syntax of the translated edit and a syntax of the rule;
4 executing a method call responsive to the filtering step resulting in at least one
5 match being determined; and
6 populating the knowledge base responsive to the executing step.
- 1 2. The method of claim 1, further comprising translating an edit to yield the
2 translated edit.
- 1 3. The method according to claim 1, further comprising binding at least one
2 conclusion variable responsive to the filtering step.
- 1 4. The method according to claim 3, wherein the executing step comprises:
2 expanding the at least one conclusion variable; and
3 creating an instance of a code object corresponding to the called method.
- 1 5. The method according to claim 1, further comprising validating a claim using the
2 populated knowledge base.

1 6. The method according to claim 4, wherein the step of populating the knowledge
2 base comprises adding information contained in the created code-object instances to the
3 knowledge base.

1 7. The method of claim 1 or 2, further comprising the step of verifying that the edit
2 has been correctly translated.

1 8. An article of manufacture for populating a knowledge base used in validating
2 medical claims, the article of manufacture comprising:
3 at least one computer readable medium;
4 processor instructions contained on the at least one computer readable medium,
5 the processor instructions configured to be readable from the at least one computer readable
6 medium by at least one processor and thereby cause the at least one processor to operate as to:
7 filter a translated edit via at least one rule to determine a match between the
8 translated edit and the rule;
9 execute a method call responsive to the translated edit having been filtered and a
10 determination of at least one match; and
11 populate the knowledge base responsive to the execution of the method call.

1 9. The article of manufacture of claim 8, further comprising processor instructions
2 configured to cause the at least one processor to operate as to translate an edit to yield the
3 translated edit and create an edit-object instance.

1 10. The article of manufacture of claim 8, further comprising processor instructions
2 configured to cause the at least one processor to operate as to bind at least one conclusion
3 variable responsive to the translated edit having been filtered.

1 11. The article of manufacture of claim 10, wherein the execution of the method call
2 comprises:

3 expanding the at least one conclusion variable; and

4 creating an instance of a code object corresponding to the called method.

1 12. The article of manufacture of claim 8, further comprising processor instructions
2 configured to cause the at least one processor to operate as to validate a claim using the
3 populated knowledge base.

1 13. The article of manufacture of claim 11, wherein the population of the knowledge
2 base comprises adding information contained in a created edit-object instance and the created
3 code-object instances to the knowledge base.

1 14. The article of manufacture of claim 8 or 9, further comprising processor
2 instructions configured to cause the at least one processor to operate as to verify whether the edit
3 has been correctly translated.

1 15. A system for populating a knowledge base, the system comprising:
2 means for filtering a translated edit via at least one rule to determine a match
3 between a syntax of the translated edit and a syntax of the rule;
4 means for executing a method call responsive to the filtering having resulting in at
5 least one match having been determined; and
6 means for populating the knowledge base responsive to an output of the means for
7 executing.

1 16. The system of claim 15, further comprising means for translating an edit to yield
2 the translated edit.

1 17. The system according to claim 15, further comprising means for binding at least
2 one conclusion variable responsive to the filtering.

1 18. The system according to claim 17, wherein the means for executing comprises:
2 means for expanding the at least one conclusion variable; and
3 means for creating an instance of a code object corresponding to the called
4 method.

1 19. The system according to claim 15, further comprising means for validating a
2 claim using the populated knowledge base.

1 20. The system according to claim 18, wherein the means for populating the
2 knowledge base comprises means for adding information contained in the created code-object
3 instances to the knowledge base.

1 21. The system of claim 15 or 16, further comprising means for verifying that the edit
2 has been correctly translated.